

REMARKS

This case has been reviewed and analyzed in view of the Official Action dated 13 February 2003. Responsive to the rejections made by the Examiner in the Official Action, Claim 4 has been canceled and Claims 1, 2, 3 and 5 have been amended to more clearly clarify the inventive concept of the Applicant.

The Examiner has objected to the Specification due to the listing of references given in the Specification, rather than being given in the form of an Information Disclosure Statement. Additionally, the Examiner has noted that the Application numbers provided are not U.S. Application numbers. The Specification has now been amended to properly label the Taiwan Patent Applications, as well as the proper U.S. Patents referenced. Additionally, an Information Disclosure Statement, along with copies of the pertinent references, is being filed concurrently with this Amendment.

Prior to a discussion of the Examiner's objections and rejections made in the outstanding Official Action, it is believed that it may be beneficial to briefly review the subject Patent Application system in light of the inventive concept of the Applicant. The subject Patent Application system is directed to a wire rewinding box having a recharge unit. As shown in FIG. 2 of the subject Patent Application drawings, a hollow casing 1 defines a receiving chamber therein. A windlass 2 is received within the receiving chamber and a positioning ring 87 is mounted on a lower end of the hollow casing 1. A coil spring 6 biases the windlass 2 with respect to casing 1 and a circuit board 7 having a

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lighting emitting element 70 and a sound emitting element 71 is mounted to casing 1.

A recharge unit including a gear mechanism 43, 44, 45, 46, 47, 48 and a generator 41 is mounted within the receiving chamber with the gear mechanism being positioned between windlass 2 and generator 41. A battery 42 is in electrical communication with generator 41 and a press handle 8, having a positioning groove 86 formed therein, is mounted to casing 1 with groove 86 receiving positioning ring 87. The press handle 8 is in communication with the gear mechanism for recharging battery 42.

The Examiner has rejected Claims 1-7 under 35 U.S.C. § 103(a) as being unpatentable over the Patterson Patent #6,059,081 in view of the Wang Patent #EP 0762047 and the Shyu Patent #5,363,445. It is the Examiner's contention that it would have been obvious to one having ordinary skill in the art at the time the invention was made to design the rewinding box as taught by Patterson to provide a recharge unit installed in the casing and include a generator and gear mechanism installed between the windlass and the generator as taught by Wang. It is the Examiner's further contention that it would have been obvious to one having ordinary skill in the art at the time the invention was made to design the combined box and to provide a press handle installed at one side of the casing as taught by Shyu for the purpose of generating power required for the phone when the battery is used up while continuing to supply other systems through the wire.

The Patterson reference is directed towards power accessories for a radiotelephone

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having a retractable power cord. As shown in the Figures, the battery charger 10 includes a housing 20, a charging circuit 50 including a retractable outlet cord 52 contained within housing 20, a retraction assembly 60 including a winding spool 90 for retracting the outlet cord 52 into housing 20 and a tensioning member 124 preloading the winding spool 90. A cable opening 46 is formed in housing 20 to allow the outlet cord 52 to exit housing 20.

The Wang reference is directed towards a traction power-driven power generator. As shown in FIGS. 1 and 2, a traction cable 2 is extended from the top side of casing 1 and is coupled to a pull ring 20 for driving a power drive, which is comprised of two meshed gears, namely, the driving gear 3 and the driven gear 4, along with a cable reel 30. When traction cable 20 is continuously pulled, rotor 60 of the power generating device 6 is continuously rotated in one direction to produce electrical energy.

Neither the Patterson reference nor the Wang reference, when taken alone or in combination, teach or suggest the use of a separate press handle mounted exterior to the casing for supplying an auxiliary means of recharging a battery. Additionally, neither the Patterson reference nor the Wang reference, when taken alone or in combination, teach or suggest both visual and auditory means attached to the system for providing visual and auditory indications of power and recharging states.

The Shyu reference is directed towards an auxiliary charging device for a mobile telephone. As shown in FIGS. 1 and 2, the mobile telephone includes coil 2, magnet 3,

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revolving disc 4, auxiliary gear 5, main gear 6 and an operating handle 7. The operating handle 7 has a U-shape and includes a rack 71 extending from an outer end in an almost right angle to engage the small diameter teeth 62 of the main gear 6, along with two short fulcrum arms 72 extending from an inner end and having a fulcrum hole for a shaft pin 75 to pass through to secure the operating handle in compartment 1.

Although the system of the Shyu reference includes a press handle 72 for providing mechanism recharge capabilities, the press handle 7, as shown in FIGS. 2 and 4 of the drawings, is held in place only by pin 75 and does not include a separate means for aligning press handle 7 with the gear mechanism 5, 6. Additionally, the Shyu reference does not provide for auditory or visual indication of recharge or power level of the telephone.

Neither the Patterson reference, the Wang reference nor the Shyu reference, when taken alone or in combination, teach or suggest a press handle for hand-actuated recharging having a means for maintaining alignment between the press handle and the gear mechanism, along with auditory and visual indication of power and recharge states.

The system of the subject Patent Application, as shown in FIG. 2 of the subject Patent Application drawings, includes press handle 8 having a positioning groove 86 formed therein. The positioning groove 86 receives the positioning ring 87, mounted on the lower end of casing 1, for maintaining press handle 8, specifically arched rack 85, in alignment with the gear mechanism. Due to the portability of the system, along with the

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nature of mechanically pumped rewinding, the recharge system is subject to great amounts of mechanical stress and vibration. It is necessary to provide a means for maintaining press handle 8 in stable alignment with the gear mechanism.

Additionally, the system of the subject Patent Application, shown in FIG. 2 of the subject Patent Application drawings, includes circuit board 7 having a light emitting element 70 and a sound emitting element 71. This provides both visual and auditory indication to the user of recharge and power states of the battery 42.

Thus, neither the Patterson reference, the Wang reference nor the Shyu reference, when taken alone or in combination, provide for: "...a circuit board having a light emitting element and a sound producing element...a press handle having a positioning groove formed therein, said positioning ring being received within said positioning groove...", as is clearly provided in newly-amended independent Claim 1.

Thus, based upon the newly-amended independent Claim 1, it is not believed that the subject Application is made obvious by the Patterson reference, the Wang reference or the Shyu reference, when taken alone or in combination, when independent Claim 1 is carefully reviewed.

It is now believed that the remaining Claims 2, 3, 5-8 show patentable distinction over the prior art cited by the Examiner for at least the same reasons as those previously discussed for independent Claim 1.

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The remaining references cited by the Examiner but not used in the rejection have been reviewed, but are believed to be further removed when patentable distinctions are taken into account than those cited in the Examiner in the rejection.

It is now believed that the subject Patent Application has been placed in condition for allowance, and such action is respectfully requested.

Respectfully submitted,  
For: ROSENBERG, KLEIN & LEE

A handwritten signature in black ink, appearing to read "Morton J. Rosenberg". The signature is fluid and cursive, with a large initial "M" and a stylized "R".

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Dated: 5/12/03

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